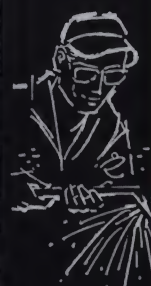


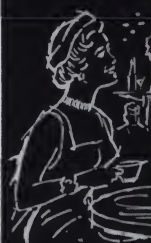
HANGARS



CONVEYORS



PLANTS



RESTAURANTS

REYNOLDS *Lifetime*[®] ALUMINUM

COMMERCIAL CORRUGATED ROOFING and SIDING

20 standard "COLORWELD* 60" colors



REYNOLDS METALS COMPANY

General Office

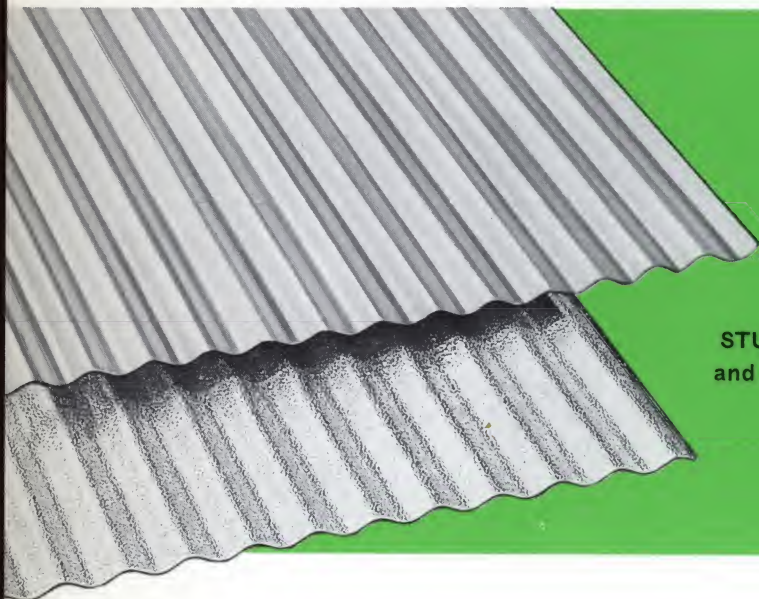
RICHMOND 18, VIRGINIA

(C) Reynolds Metals Company 1960
*Trademark of Reynolds Metals Company

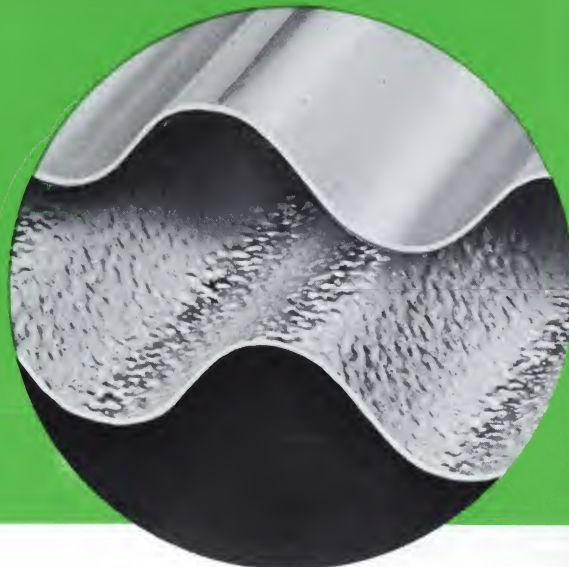
A.I.A. FILE NO. 12-C



COMMERCIAL CORRUGATED ROOFING and SIDING



AVAILABLE IN
MILL FINISH,
STUCCO EMBOSSED
and LEATHERGRAIN
EMBOSSED



**All of aluminum's advantages
... plus 20 beautiful, superior
"COLORWELD 60" colors at a
new standard, low cost!**

For new construction or the modernization of old structures, more architects and builders are utilizing the aesthetic, functional and cost-saving design advantages of versatile Reynolds *Lifetime* Aluminum Commercial Building Products.

The reason: distinctive appearance, lightweight strength and unusual durability combine the prestige of quality with all-around economies of low initial, installation and maintenance costs. And, only Reynolds offers you a choice of 20 new standard, superior COLORWELD 60 colors, readily available at a surprisingly low cost.

Compare the advantages of Reynolds Commercial Corrugated Roofing and Siding. Alone or in combination with other materials, it offers you new dimensions in design flexibility, function, beauty and economy.

The soft curves of Corrugated can be expressed vertically or horizontally . . . in luxuriant Leathergrain, the stippling of Stucco, or the smoothness of Mill Finish . . . in natural aluminum or any of the 20 standard colors. Now, regardless of job size or budget, you can design more imaginatively at less cost with complete confidence when you specify Reynolds Commercial Corrugated Roofing and Siding for commercial, industrial and institutional structures.

Supermarkets and
Warehouses
Restaurants and Shops
Armories and Arenas
Garages and Service
Stations

Transportation Terminals
Loading Docks and Marinas
Industrial and Power Plants
Conveyor and Mining
Facilities

ADVANTAGES

MODERN APPEARANCE—The clean, orderly, efficient appearance of Reynolds Lifetime Commercial Building Products imparts a distinctive long-lasting quality that adds prestige, value and usefulness to any building, new or old.

20 BEAUTIFUL COLORS—Only Reynolds gives you all the advantages of aluminum . . . plus 20 standard, superior COLORWELD 60 colors to select from . . . at a cost of only pennies more per square foot than unpainted aluminum. See *Sweet's File No. 8b/Rea* for complete color selection.

LOW FIRST COST AND MAINTENANCE—These are the true criteria of *actual* cost. Aluminum will not rust, warp, crack or chip . . . needs no protective coatings, painting or costly maintenance required by other building materials.

INSULATION—Aluminum reflects up to 95% of all radiant heat. Thus it helps increase comfort at lower cooling and heating costs, for greater efficiency and profits.

STRENGTH—Reynolds carefully selected combination of alloy, temper and design results in products engineered to meet the most exacting performance requirements of today's construction.

EASY TO HANDLE AND INSTALL—Strong, yet lightweight sheets up to 30'-0" or even longer, if necessary, require less structural framing, are easy to saw, punch, drill. This means important savings both in handling and application time, labor, materials and equipment.

FIRE-RESISTANT—Aluminum will not support combustion . . . offers protection against flying brands.

REYNOLDS *Lifetime*® ALUMINUM COLORWELD* 60 COMMERCIAL BUILDING PRODUCTS

5b
RE

.024"

COMMERCIAL CORRUGATED

METAL THICKNESS: .024" (No. 22 B.&S. Ga.)

FINISH: Mill Finish, Stucco Embossed and Leathergrain Embossed, in natural aluminum, "Colorweld 60" or "Reynocolor.*"

LENGTHS: Available in lengths from 5' to 30'-0".

WIDTH:

Roofing:

1. Over-all width 48 $\frac{1}{8}$ ", nominal coverage 45 $\frac{1}{8}$ " with 1 $\frac{1}{2}$ corrugations side lap.
2. Over-all width 35", nominal coverage 32" with 1 $\frac{1}{2}$ corrugations side lap.

Siding:

1. Over-all width 47", nominal coverage 45" with 1 corrugation side lap.
2. Over-all width 33 $\frac{3}{4}$ ", nominal coverage 32" with 1 corrugation side lap.

CORRUGATIONS: Pitch 2.667" center to center, depth $\frac{7}{8}$ ".

WEIGHT: Approximately 41.4 pounds per 100 square feet of formed sheet.

MAXIMUM RECOMMENDED SUPPORT SPACING, CENTER TO CENTER, FOR SHEET CONTINUOUS OVER TWO OR MORE SPANS AND SUPPORTED BY THREE OR MORE GIRTS

SAFE UNIFORM LOAD (Lbs. Per Sq. Ft.)	10	15	20	25	30	35	40	45	50	55	60
EQUIVALENT WIND VELOCITY (M. P. H.)	50	61	70	79	86	93	100	106	111	117	122
PURLIN OR GIRT SPACING (Inches)	84	84	75	68	62	57	54	51	48	46	44

When compared to the load-carrying capacity of the sheet, the recommended loads provide a minimum safety factor of two. The loads listed for each spacing are not an indication of the maximum strength of the material, but were selected to provide sound, practical application. In selecting a load from these tables, it is suggested that local building codes be consulted.

.040"

COMMERCIAL CORRUGATED

METAL THICKNESS: .040" (No. 18 B.&S. Ga.)

FINISH: Mill Finish, Stucco Embossed and Leathergrain Embossed, in natural aluminum, "Colorweld 60" or "Reynocolor.*"

LENGTHS: Available in lengths from 5' to 30'-0".

WIDTH: Over-all width 48 $\frac{1}{8}$ ", nominal coverage 45 $\frac{1}{8}$ " with 1 $\frac{1}{2}$ corrugations side lap.

CORRUGATIONS: Pitch 2.667" center to center, depth $\frac{7}{8}$ ".

WEIGHT: Approximately 69 pounds per 100 square feet of formed sheet.

MAXIMUM RECOMMENDED SUPPORT SPACING, CENTER TO CENTER, FOR SHEET CONTINUOUS OVER TWO OR MORE SPANS AND SUPPORTED BY THREE OR MORE GIRTS

SAFE UNIFORM LOAD (Lbs. Per Sq. Ft.)	15	20	25	30	35	40	45	50	55	60
EQUIVALENT WIND VELOCITY (M.P.H.)	61	70	79	86	93	100	106	111	117	122
PURLIN OR GIRT SPACING (Inches)	84	84	84	79	76	72	69	65	62	60

When compared to the load-carrying capacity of the sheet, the recommended loads provide a minimum safety factor of two. The loads listed for each spacing are not an indication of the maximum strength of the material, but were selected to provide sound, practical application. In selecting a load from these tables, it is suggested that local building codes be consulted.

.032"

COMMERCIAL CORRUGATED

METAL THICKNESS: .032" (No. 20 B.&S. Ga.)

FINISH: Mill Finish, Stucco Embossed and Leathergrain Embossed, in natural aluminum, "Colorweld 60" or "Reynocolor.*"

LENGTHS: Available in lengths from 5' to 30'-0".

WIDTH:

Roofing:

1. Over-all width 48 $\frac{1}{8}$ ", nominal coverage 45 $\frac{1}{8}$ " with 1 $\frac{1}{2}$ corrugations side lap.
2. Over-all width 35", nominal coverage 32" with 1 $\frac{1}{2}$ corrugations side lap.

Siding:

1. Over-all width 47", nominal coverage 45" with 1 corrugation side lap.
2. Over-all width 33 $\frac{3}{4}$ ", nominal coverage 32" with 1 corrugation side lap.

CORRUGATIONS: Pitch 2.667" center to center, depth $\frac{7}{8}$ ".

WEIGHT: Approximately 55.2 pounds per 100 square feet of formed sheet.

MAXIMUM RECOMMENDED SUPPORT SPACING, CENTER TO CENTER, FOR SHEET CONTINUOUS OVER TWO OR MORE SPANS AND SUPPORTED BY THREE OR MORE GIRTS

SAFE UNIFORM LOAD (Lbs. Per Sq. Ft.)	10	15	20	25	30	35	40	45	50	55	60
EQUIVALENT WIND VELOCITY (M. P. H.)	50	61	70	79	86	93	100	106	111	117	122
PURLIN OR GIRT SPACING (Inches)	84	84	84	79	74	70	66	62	59	56	54

When compared to the load-carrying capacity of the sheet, the recommended loads provide a minimum safety factor of two. The loads listed for each spacing are not an indication of the maximum strength of the material, but were selected to provide sound, practical application. In selecting a load from these tables, it is suggested that local building codes be consulted.

.032" PRECURVED

COMMERCIAL CORRUGATED

METAL THICKNESS: .032" (No. 20 B.&S. Ga.)

FINISH: Mill Finish, Stucco Embossed and Leathergrain Embossed, in natural aluminum, "Colorweld 60" or "Reynocolor.*"

LENGTHS: Available in lengths from 5' to 30'-0".

WIDTH: Over-all width 35", nominal coverage 32" with 1 $\frac{1}{2}$ corrugations side lap.

CORRUGATIONS: Pitch 2.667" center to center, depth $\frac{7}{8}$ ".

WEIGHT: Approximately 55.2 pounds per 100 square feet of formed sheet.

RADIUS OF BEND: 30" or greater.

*Trademark of Reynolds Metals Company

REYNOLDS ALUMINUM COMMERCIAL CORRUGATED ROOFING AND SIDING

ACCESSORIES

PLAIN RIDGE CAP .032" x 7" x 7" x 120"
 SIDE WALL FLASHING .032" x 7" x 7" x 120"
 END WALL FLASHING .032" x 7" x 7" x 120"
 EAVES FLASHING .032" x 8" x 120"
 WINDOW FLASHING .032" x 4 $\frac{9}{16}$ " x 120"
 COMMERCIAL COIL FLASHING .032" x 14" x 186'

COMMERCIAL FLAT FLASHING
 .032" — 28" x 120" & 36" x 120"
 .032" — 36" x 96" & 48" x 120"
 .040" — 36" x 96" & 48" x 120"
 .050" — 36" x 96" & 48" x 120"

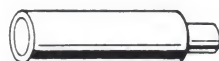
OTHER ACCESSORIES WITH RECOMMENDED SOURCES

FASTENERS FOR ATTACHING CORRUGATED SHEETS TO BUILDING FRAME



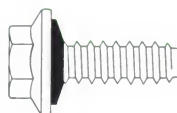
SPIRAL SHANK NAIL, ALUMINUM, .145 DIA. SHANK, 2 $\frac{1}{2}$ " LONG, WITH NEOPRENE WASHER.

REYNOLDS METALS COMPANY
 RICHMOND, VA.



WELDED STUD, STAINLESS STEEL WITH ALUMINUM CAP.

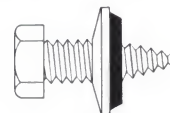
NELSON STUD WELDING DIV.,
 GREGORY INDUSTRIES, INC.
 LORAIN, OHIO
 KSM PRODUCTS, INC.
 MERCHANTVILLE, N. J.



STAINLESS STEEL SELF-TAPPING SCREW #14 TYPE B, HEX HD. WITH NEOPRENE WASHER, $\frac{3}{4}$ " LONG FOR VALLEY FASTENING, 1 $\frac{1}{2}$ " LONG FOR CROWN FASTENING.

FABRICATED PRODUCTS CO., WEST NEWTON, PENNA.
 TOWNSEND CO., NEW BRIGHTON, PENNA.

FOR STITCHING SIDE LAPS



ALUMINUM OR STAINLESS STEEL SHEET METAL SCREW #14 x $\frac{3}{4}$ " TYPE A HEX HD., WITH NEOPRENE WASHER.

FOR PROVIDING WEATHERTIGHTNESS AT FLASHED JOINTS



MOULDED RUBBER CLOSURE STRIP

FABRICATED PRODUCTS CO.
 WEST NEWTON, PENNA.
 ASPHALT CORP. OF AMERICA
 DANVILLE, ILL.
 RUBBATEX DIVISION,
 GREAT AMERICAN INDUSTRIES,
 BEDFORD, VA.

GUIDE SPECIFICATIONS

1. "The General Conditions of the Contract for the Construction of Buildings," standard form of the American Institute of Architects, current edition, and any supplementary general conditions are part of this specification.
2. Furnish all labor, materials, and equipment to complete the fabrication and erection of all aluminum roofing and/or siding accessories including flashing, closures, fasteners, caulking, sealing, and any other material as shown on drawings to make a complete and weathertight installation.
3. All commercial corrugated sheets, flashing, and closures shall be as manufactured by the Reynolds Metals Company, Richmond, Virginia, and shall be fabricated from sheets of aluminum alloy Alclad 3004. The corrugated sheets shall be 2 $\frac{3}{8}$ " pitch x $\frac{7}{8}$ " depth and shall be supplied in the thickness, lengths and widths as shown on the drawings. (If material is to be "Colorweld 60" insert finish specification here.)
4. All fasteners which hold the aluminum sheets to the steel frame shall be Type 305 stainless steel. All fasteners at the side laps shall be either Type 305 stainless steel or aluminum. All fasteners shall be applied as recommended by the manufacturer, and shall be designed so as to prevent water leakage through the fastener hole.
5. Where aluminum comes in contact with dissimilar metals, masonry, wood, or other materials not compatible with aluminum, a coat of a brushable type, non-hardening butyl rubber base sealant shall be used as an isolation material. When conditions require, as recommended by Reynolds Metals Company, all side laps and end laps shall be sealed by the application of one $\frac{3}{8}$ " round bead of a gun grade, non-skinning, non-hardening, polybutene resin base sealant.

6. Installation of all Reynolds Commercial Corrugated Roofing and/or Siding shall be in strict accordance with standard instructions as published by Reynolds Metals Company or as indicated on the drawings.

ESTIMATING

ROOFING: To determine the amount of roofing sheet required to cover one roof slope, first determine the number of courses which will be required, by selecting the number of standard lengths needed to cover the length of slope, making allowance for end laps and eaves overhang. Next, determine the length of the roof, including allowance for overhang at each gable. Divide this length in inches by the nominal coverage of the selected sheet to determine the number of sheets in each course. If this number comes out a fraction, select the next highest whole number. Multiply this by the number of courses previously determined to obtain the amount of sheets required.

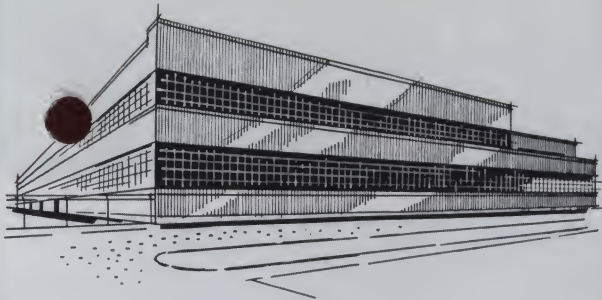
SIDING: Measure the height of wall to be covered to determine sheet lengths and number of courses, making allowance for proper end laps. Divide length of wall in inches by the nominal coverage of the selected sheet to determine the number of sheets per course. Multiply this by the number of courses to obtain the amount of sheets required.

ACCESSORIES: Estimate quantity of flashings, closures and fasteners required.

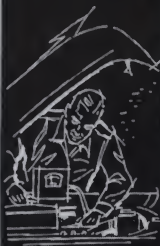
FOR ADDITIONAL INFORMATION—Contact your nearest Reynolds Sales Office or Distributor, or write direct for complete specifications, installation instructions, color information and selection. Also see Sweet's Catalog File No. 8b/Rea for COLORWELD 60 information.



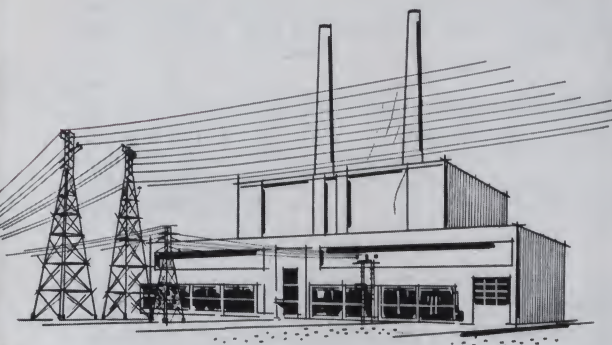
REYNOLDS METALS COMPANY
 GENERAL OFFICE
 RICHMOND 18, VIRGINIA



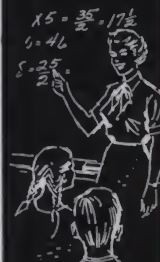
Plants



Shops



Utilities



Schools

REYNOLDS *Lifetime*[®] ALUMINUM

COMMERCIAL V-BEAM ROOFING and SIDING

20 standard "COLORWELD" 60" colors



REYNOLDS METALS COMPANY

General Office

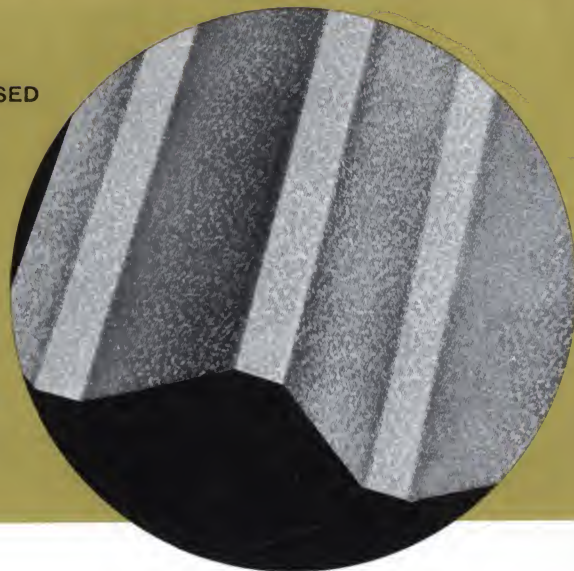
RICHMOND 18, VIRGINIA

A.I.A. FILE NO. 12-C



COMMERCIAL V-BEAM ROOFING and SIDING

AVAILABLE IN
STUCCO AND
LEATHERGRAIN EMBOSSED



**All of aluminum's advantages
... plus 20 beautiful, superior
"COLORWELD 60" colors at a
new standard, low cost!**

For new construction or the modernization of old structures, more architects and builders are utilizing the aesthetic, functional and cost-saving design advantages of versatile Reynolds Lifetime Aluminum Commercial Building Products.

The reason: distinctive appearance, lightweight strength and unusual durability combine the prestige of quality with all-around economies of low initial, installation and maintenance costs. And, only Reynolds offers you a choice of 20 new standard, superior COLORWELD 60 colors, readily available at a surprisingly low cost. Compare the advantages of Reynolds Commercial V-Beam Roofing and Siding. Alone or in combination with other materials, it offers you new dimensions in design flexibility, function, beauty and economy.

The sharp, definitive lines can be expressed vertically or horizontally . . . in luxuriant Leathergrain Embossed, or the stippling of Stucco Embossed . . . in natural aluminum or any of the 20 standard colors. Now, regardless of job size or budget, you can design more imaginatively at less cost with complete confidence when you specify Reynolds Commercial V-Beam Roofing and Siding for commercial, industrial and institutional structures.

Schools & Libraries • Garages & Service Stations
Exhibit Buildings & Arenas • Stores & Warehouses
Airport Terminals & Hangars • Industrial Facilities
Bus & Railroad Terminals • Administration Buildings

ADVANTAGES

MODERN APPEARANCE—The clean, orderly, efficient appearance of Reynolds Lifetime Commercial Building Products imparts a distinctive long-lasting quality that adds prestige, value and usefulness to any building, new or old.

20 BEAUTIFUL COLORS—Only Reynolds gives you all the advantages of aluminum . . . plus 20 standard, superior COLORWELD 60 colors to select from . . . at a cost of only pennies more per square foot than unpainted aluminum. See *Sweet's File No. 8b/Rea* for complete color selection.

LOW FIRST COST AND MAINTENANCE—These are the true criteria of *actual* cost. Aluminum will not rust, warp, crack or chip . . . needs no protective coatings, painting or costly maintenance required by other building materials.

INSULATION—Aluminum reflects up to 95% of all radiant heat. Thus it helps increase comfort at lower cooling and heating costs, for greater efficiency and profits.

STRENGTH—Reynolds carefully selected combination of alloy, temper and design results in products engineered to meet the most exacting performance requirements of today's construction.

EASY TO HANDLE AND INSTALL—Strong, yet lightweight sheets up to 30'-0" or even longer, if necessary, require less structural framing, are easy to saw, punch, drill. This means important savings both in handling and application time, labor, materials and equipment.

FIRE-RESISTANT—Aluminum will not support combustion . . . offers protection against flying brands.

"COLORWELD" 60" COMMERCIAL BUILDING PRODUCTS

.040" COMMERCIAL V-BEAM

THICKNESS: .040" (No. 18 B. & S. Ga.)

FINISH: Mill Finish, Stucco Embossed and Leather-grain Embossed in natural aluminum, "Colorweld 60", or "Reynocolor.*"

LENGTHS: Available in lengths from 5'-0" to 30'-0".

WIDTH: Over-all width 45", nominal coverage 42-2/3".

V-CORRUGATIONS: 1-3/4" deep, 5-1/3" pitch, 1-1/8" flat ridges and valleys, 9 crowns, 8 valleys.

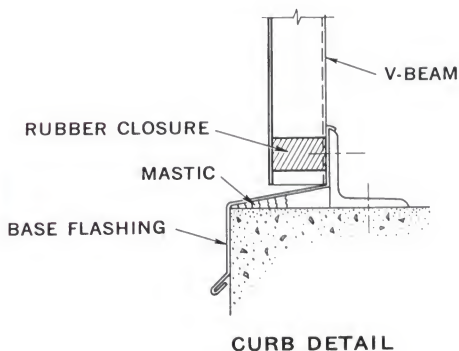
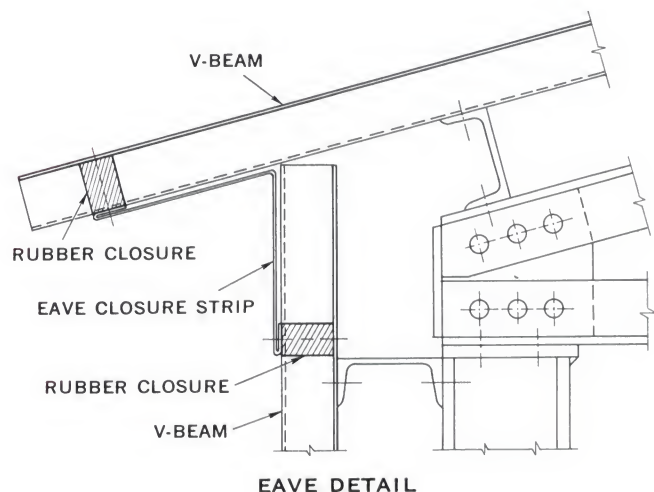
WEIGHT: 73.4 pounds per 100 square feet of formed sheet.

LOAD TABLE*

SAFE UNIFORM LOAD (Lbs. Per Sq. Ft.)	15	20	25	30	35	40	45	50	55	60
EQUIVALENT WIND VELOCITY (M.P.H.)	61	70	79	86	93	100	106	111	117	122
PURLIN OR GIRT SPACING (Inches)	171	155	139	127	118	110	104	99	94	90

*Maximum girt spacing, center to center for sheet continuous over two or more spans. When compared to the load bearing capacity of the sheet, the recommended loads provide a minimum safety factor of two and a deflection not exceeding 1/80th of span.

When compared to the load-carrying capacity of the sheet, the recommended loads provide a minimum safety factor of two. The loads listed for each spacing are not an indication of the maximum strength of the material, but were selected to provide sound, practical application. In selecting a load from these tables, it is suggested that local building codes be consulted.



.050" COMMERCIAL V-BEAM

THICKNESS: .050" (No. 16 B. & S. Ga.)

FINISH: Mill Finish, Stucco Embossed and Leather-grain Embossed in natural aluminum, "Colorweld 60", or "Reynocolor.*"

LENGTHS: Available in lengths from 5'-0" to 30'-0".

WIDTH: Over-all width 45", nominal coverage 42-2/3".

V-CORRUGATIONS: 1-3/4" deep, 5-1/3" pitch, 1-1/8" flat ridges and valleys, 9 crowns, 8 valleys.

WEIGHT: 91.8 pounds per 100 square feet of formed sheet.

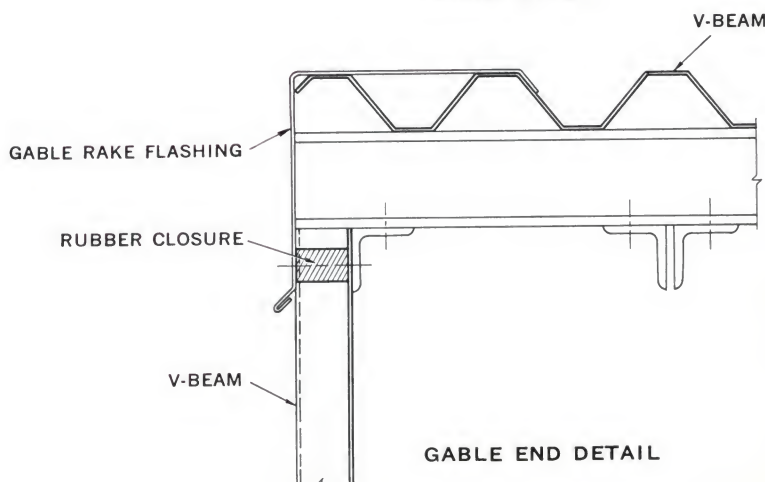
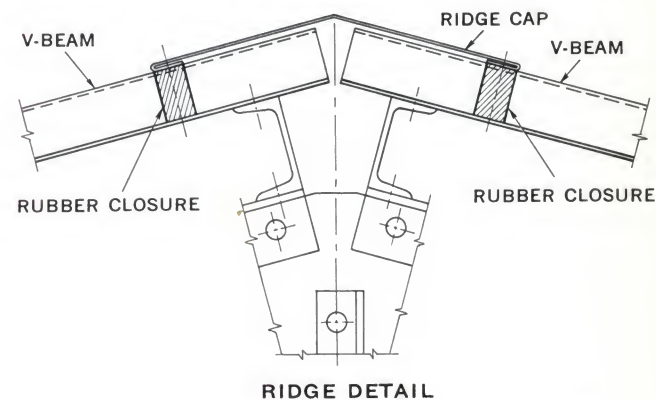
LOAD TABLE*

SAFE UNIFORM LOAD (Lbs. Per Sq. Ft.)	15	20	25	30	35	40	45	50	55	60
EQUIVALENT WIND VELOCITY (M.P.H.)	61	70	79	86	93	100	106	111	117	122
PURLIN OR GIRT SPACING (Inches)	183	167	155	141	131	123	116	110	105	100

*Maximum girt spacing, center to center for sheet continuous over two or more spans. When compared to the load bearing capacity of the sheet, the recommended loads provide a minimum safety factor of two and a deflection not exceeding 1/80th of span.

When compared to the load-carrying capacity of the sheet, the recommended loads provide a minimum safety factor of two. The loads listed for each spacing are not an indication of the maximum strength of the material, but were selected to provide sound, practical application. In selecting a load from these tables, it is suggested that local building codes be consulted.

*Trademark of Reynolds Metals Company



REYNOLDS ALUMINUM COMMERCIAL V-BEAM ROOFING AND SIDING

ACCESSORIES

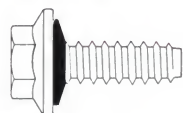
COMMERCIAL FLAT FLASHING	.032"—28" x 120" & 36" x 120"
	.032"—36" x 96" & 48" x 120"
	.040"—36" x 96" & 48" x 120"
COMMERCIAL COIL FLASHING .032" x 14" x 186'	.050"—36" x 96" & 48" x 120"

OTHER ACCESSORIES WITH RECOMMENDED SOURCES

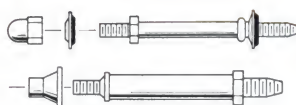
FASTENERS FOR ATTACHING V-BEAM SECTS TO BUILDING FRAME



WELDED STUD, STAINLESS STEEL WITH ALUMINUM CAP.

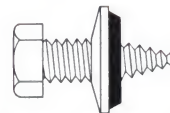


STAINLESS STEEL SELF TAPPING SCREW #14 x 3/4" TYPE B, HEX HD. WITH NEOPRENE WASHER.



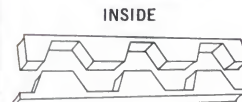
SPECIAL STAINLESS STEEL SELF TAPPING SCREW WITH NEOPRENE WASHER AND ALUMINUM CAP.

FOR STITCHING SIDE LAPS



ALUMINUM OR STAINLESS STEEL SHEET METAL SCREW #14 x 3/4" TYPE A HEX HD. WITH NEOPRENE WASHER.

FOR PROVIDING WEATHER TIGHTNESS



INSIDE
OUTSIDE
MOULDED RUBBER CLOSURE STRIP

NELSON STUD WELDING DIV.,
GREGORY INDUSTRIES, INC.
LORAIN, OHIO
KSM PRODUCTS CO.
MERCHANTVILLE, N. J.

FABRICATED PRODUCTS CO., WEST NEWTON, PENNA.
TOWNSEND CO., NEW BRIGHTON, PENNA.

ASPHALT CORP. OF
AMERICA, DANVILLE, ILL.
FABRICATED PRODUCTS CO.
WEST NEWTON, PENNA.
RUBBATEX DIVISION,
GREAT AMERICAN IND.,
BEDFORD, VA.

GUIDE SPECIFICATIONS

- "The General Conditions of the Contract for the Construction of Buildings," standard form of the American Institute of Architects, current edition, and any supplementary general conditions are part of this specification.
- Furnish all labor, materials, and equipment to complete the fabrication and erection of all aluminum roofing and/or siding and accessories including flashing, closures, fasteners, caulking, sealing, and any other material as shown on drawings to make a complete and weather-tight installation.
- All commercial V-Beam sheets, flashing and closures shall be as manufactured by the Reynolds Metals Company, Richmond, Virginia, and shall be fabricated from sheets of aluminum alloy Alclad 3004. The V-Beam sheets shall be 5 1/2" pitch x 1 3/4" depth x 42 2/3" coverage width and shall be supplied in the thickness lengths as shown on the drawings.
(If material is to be "Colorweld 60" insert finish specification here.)
- All fasteners which hold the aluminum sheets to the steel frame shall be Type 305 stainless steel. All fasteners at the side laps shall be either Type 305 stainless steel or aluminum. All fasteners shall be applied as recommended by the manufacturer, and shall be designed so as to prevent water leakage through the fastener hole.
- Where aluminum comes in contact with dissimilar metals, masonry, wood, or other materials not compatible with aluminum, a coat of a brushable type, non-hardening butyl rubber base sealant shall be used as an isolation material. When conditions require, as recommended by Reynolds Metals Company, all side laps and end laps shall be sealed by the application of one 3/8" round bead of a gun grade, non-skinning, non-hardening, polybutene resin base sealant.

- Installation of all Reynolds Commercial V-Beam Roofing and/or Siding shall be in strict accordance with standard instructions as published by Reynolds Metals Company or as indicated on the drawings.

ESTIMATING

ROOFING: To determine the amount of roofing sheet required to cover one roof slope, first determine the number of courses which will be required. Then select the number of standard lengths to cover the length of the slope, making allowance for end laps and eaves overhang. Next, determine the length of the roof, including allowance for overhang at each gable. Divide this length in inches by the nominal coverage of the selected sheet to determine the number of sheets in each course. If this number comes out a fraction, select the next highest whole number. Multiply this by the number of courses previously determined to obtain the amount of sheets required.

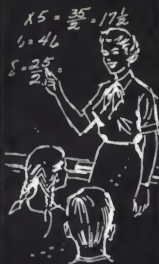
SIDING: Measure the height of wall to be covered to determine sheet lengths and number of courses, making allowance for proper end laps. Divide length of wall in inches by the nominal coverage of the selected sheet to determine the number of sheets per course. Multiply this by the number of courses to obtain the amount of sheets required.

ACCESSORIES: Estimate quantity of flashings, closures and fasteners required.

FOR ADDITIONAL INFORMATION—Contact your nearest Reynolds Sales Office or Distributor, or write direct for complete specifications, installation instructions, color information and selection. Also see Sweet's Catalog File No. 8b/Rea for COLORWELD 60 information.



REYNOLDS METALS COMPANY
GENERAL OFFICE
RICHMOND 18, VIRGINIA



SCHOOLS



PLANTS



UTILITIES



OFFICES



REYNOLDS *Lifetime*[®] ALUMINUM

COMMERCIAL RIBBED EMBOSSSED SIDING

20 standard "COLORWELD" 60" colors



REYNOLDS METALS COMPANY

General Office

RICHMOND 18, VIRGINIA

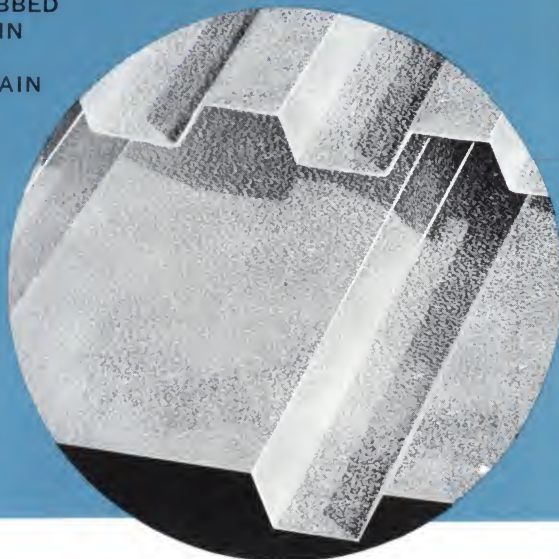
(C) Reynolds Metals Company 1960
*Trademark of Reynolds Metals Company

A.I.A. FILE NO. 12-C



COMMERCIAL RIBBED EMBOSSED SIDING

4" AND 8" RIBBED
AVAILABLE IN
STUCCO and
LEATHERGRAIN
EMBOSSED



**All of aluminum's advantages
... plus 20 beautiful, superior
"COLORWELD 60" colors at a
new standard, low cost!**

For new construction or the modernization of old structures, more architects and builders are utilizing the aesthetic, functional and cost-saving design advantages of versatile Reynolds *Lifetime* Aluminum Commercial Building Products.

The reason: distinctive appearance, lightweight strength and unusual durability combine the prestige of quality with all-around economies of low initial, installation and maintenance costs. And, only Reynolds offers you a choice of 20 new standard, superior COLORWELD 60 colors, readily available at a surprisingly low cost. Compare the advantages of Reynolds Commercial Ribbed Embossed Siding. Alone or in combination with other materials, it offers you new dimensions in design flexibility, function, beauty and economy.

The sharp, definitive lines can be expressed vertically or horizontally ... in luxuriant Leathergrain Embossed, or the stippling of Stucco Embossed ... in natural aluminum or any of the 20 standard colors. Now, regardless of job size or budget, you can design more imaginatively at less cost with complete confidence when you specify Reynolds Commercial Ribbed Embossed Siding for commercial, industrial and institutional structures.

Shopping Centers and
Stores
Restaurants and
Theaters
Exhibit Buildings and
Arenas

Terminals and Hangars
Schools and Libraries
Industrial Plants and
Warehouses
Mills and Process Plants
Public Utilities

ADVANTAGES

MODERN APPEARANCE—The clean, orderly, efficient appearance of Reynolds Lifetime Commercial Building Products imparts a distinctive long-lasting quality that adds prestige, value and usefulness to any building, new or old.

20 BEAUTIFUL COLORS—Only Reynolds gives you all the advantages of aluminum ... plus 20 standard, superior COLORWELD 60 colors to select from ... at a cost of only pennies more per square foot than unpainted aluminum. See *Sweet's File No. 8b/Rea* for complete color selection.

LOW FIRST COST AND MAINTENANCE—These are the true criteria of *actual* cost. Aluminum will not rust, warp, crack or chip ... needs no protective coatings, painting or costly maintenance required by other building materials.

INSULATION—Aluminum reflects up to 95% of all radiant heat. Thus it helps increase comfort at lower cooling and heating costs, for greater efficiency and profits.

STRENGTH—Reynolds carefully selected combination of alloy, temper and design results in products engineered to meet the most exacting performance requirements of today's construction.

EASY TO HANDLE AND INSTALL—Strong, yet lightweight sheets up to 30'-0" or even longer, if necessary, require less structural framing, are easy to saw, punch, drill. This means important savings both in handling and application time, labor, materials and equipment.

FIRE-RESISTANT—Aluminum will not support combustion ... offers protection against flying brands.

REYNOLDS *Lifetime*® ALUMINUM

COLORWELD® 60

COMMERCIAL BUILDING PRODUCTS

5b
RE

.032"

4" COMMERCIAL RIBBED

METAL THICKNESS: .032" (No. 20 B. & S. Ga.)
FINISH: Stucco Embossed and Leathergrain Embossed in natural aluminum, "Colorweld 60", or "Reynocolor*."
LENGTHS: Available in lengths from 5'-0" to 30'-0".
WIDTH: Over-all width 41 $\frac{5}{8}$ ", nominal coverage 40" with standard side lap.
RIBS: Pitch 4" center to center, depth 1", 10 ribs, 10 valleys.
WEIGHT: Approximately 58 pounds per 100 square feet of formed sheet.

MAXIMUM RECOMMENDED SUPPORT SPACING, CENTER TO CENTER, FOR SHEET CONTINUOUS OVER TWO OR MORE SPANS AND SUPPORTED BY THREE OR MORE GIRTS

SAFE UNIFORM LOAD (Lbs. Per Sq. Ft.)	15	20	25	30	35	40	45	50
EQUIVALENT WIND VELOCITY (M. P. H.)	61	70	79	86	93	100	106	111
PURLIN OR GIRT SPACING (Inches)	118	107	98	90	85	79	75	71

When compared to the load-carrying capacity of the sheet, the recommended loads provide a minimum safety factor of two. The loads listed for each spacing are not an indication of the maximum strength of the material, but were selected to provide sound, practical application. In selecting a load from these tables, it is suggested that local building codes be consulted.

.032"

8" COMMERCIAL RIBBED

METAL THICKNESS: .032" (No. 20 B. & S. Ga.)
FINISH: Stucco Embossed and Leathergrain Embossed in natural aluminum, "Colorweld 60", or "Reynocolor*."
LENGTHS: Available in lengths from 5'-0" to 30'-0".
WIDTH: Over-all width 41 $\frac{5}{8}$ ", nominal coverage 40" with standard side lap.
RIBS: Pitch 8" center to center, depth 1", 5 ribs, 5 valleys.
WEIGHT: Approximately 51.8 pounds per 100 square feet of formed sheet.

MAXIMUM RECOMMENDED SUPPORT SPACING, CENTER TO CENTER, FOR SHEET CONTINUOUS OVER TWO OR MORE SPANS AND SUPPORTED BY THREE OR MORE GIRTS

SAFE UNIFORM LOAD (Lbs. Per Sq. Ft.)	15	20	25	30	35	40	45	50
EQUIVALENT WIND VELOCITY (M. P. H.)	61	70	79	86	93	100	106	111
PURLIN OR GIRT SPACING (Inches)	91	79	71	65	60	56	53	51

When compared to the load-carrying capacity of the sheet, the recommended loads provide a minimum safety factor of two. The loads listed for each spacing are not an indication of the maximum strength of the material, but were selected to provide sound, practical application. In selecting a load from these tables, it is suggested that local building codes be consulted.

.040"

4" COMMERCIAL RIBBED

METAL THICKNESS: .040" (No. 18 B. & S. Ga.)
FINISH: Stucco Embossed and Leathergrain Embossed in natural aluminum, "Colorweld 60", or "Reynocolor*."
LENGTHS: Available in lengths from 5'-0" to 30'-0".
WIDTH: Over-all width 41 $\frac{5}{8}$ ", nominal coverage 40" with standard side lap.
RIBS: Pitch 4" center to center, depth 1", 10 ribs, 10 valleys.
WEIGHT: Approximately 73 pounds per 100 square feet of formed sheet.

MAXIMUM RECOMMENDED SUPPORT SPACING, CENTER TO CENTER, FOR SHEET CONTINUOUS OVER TWO OR MORE SPANS AND SUPPORTED BY THREE OR MORE GIRTS

SAFE UNIFORM LOAD (Lbs. Per Sq. Ft.)	15	20	25	30	35	40	45	50
EQUIVALENT WIND VELOCITY (M. P. H.)	61	70	79	86	93	100	106	111
PURLIN OR GIRT SPACING (Inches)	128	116	108	102	95	89	84	79

When compared to the load-carrying capacity of the sheet, the recommended loads provide a minimum safety factor of two. The loads listed for each spacing are not an indication of the maximum strength of the material, but were selected to provide sound, practical application. In selecting a load from these tables, it is suggested that local building codes be consulted.

.040"

8" COMMERCIAL RIBBED

METAL THICKNESS: .040" (No. 18 B. & S. Ga.)
FINISH: Stucco Embossed and Leathergrain Embossed in natural aluminum, "Colorweld 60", or "Reynocolor*."
LENGTHS: Available in lengths from 5'-0" to 30'-0".
WIDTH: Over-all width 41 $\frac{5}{8}$ ", nominal coverage 40" with standard side lap.
RIBS: Pitch 8" center to center, depth 1", 5 ribs, 5 valleys.
WEIGHT: Approximately 64.7 pounds per 100 square feet of formed sheet.

MAXIMUM RECOMMENDED SUPPORT SPACING, CENTER TO CENTER, FOR SHEET CONTINUOUS OVER TWO OR MORE SPANS AND SUPPORTED BY THREE OR MORE GIRTS

SAFE UNIFORM LOAD (Lbs. Per Sq. Ft.)	15	20	25	30	35	40	45	50
EQUIVALENT WIND VELOCITY (M. P. H.)	61	70	79	86	93	100	106	111
PURLIN OR GIRT SPACING (Inches)	103	89	80	73	67	63	60	57

When compared to the load-carrying capacity of the sheet, the recommended loads provide a minimum safety factor of two. The loads listed for each spacing are not an indication of the maximum strength of the material, but were selected to provide sound, practical application. In selecting a load from these tables, it is suggested that local building codes be consulted.



COMMERCIAL RIBBED EMBOSSED SIDING

ACCESSORIES

COMMERCIAL FLAT FLASHING .032"—28" x 120" & 36" x 120"

.032"—36" x 96" & 48" x 120"

.040"—36" x 96" & 48" x 120"

COMMERCIAL COIL FLASHING .032" x 14" x 186' .050"—36" x 96" & 48" x 120"

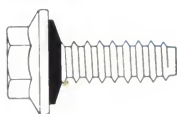
OTHER ACCESSORIES WITH RECOMMENDED SOURCES

FASTENERS FOR ATTACHING RIBBED SIDING TO BUILDING FRAME



WELDED STUD,
STAINLESS STEEL WITH
ALUMINUM CAP.

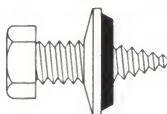
NELSON STUD WELDING DIV.,
GREGORY INDUSTRIES, INC.,
LORAIN, OHIO
KSM PRODUCTS, INC.,
MERCHANTVILLE, N. J.



STAINLESS STEEL SELF-
TAPPING SCREW #14 x 3/4"
TYPE B, HEX HD. WITH
NEOPRENE WASHER.

FABRICATED PRODUCTS CO.
WEST NEWTON, PENNA.
TOWNSEND CO.
NEW BRIGHTON, PENNA.

FOR STITCHING SIDE LAPS

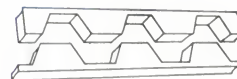


ALUMINUM OR STAINLESS
STEEL SHEET METAL SCREW
#14 x 3/4" TYPE A, HEX
HD. WITH NEOPRENE
WASHER.

FABRICATED PRODUCTS CO.
WEST NEWTON, PENNA.
TOWNSEND CO.
NEW BRIGHTON, PENNA.

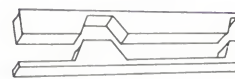
FOR PROVIDING WEATHERTIGHTNESS AT FLASHED JOINTS

4" PITCH INSIDE



4" PITCH OUTSIDE

8" PITCH INSIDE



8" PITCH OUTSIDE

MOULDED RUBBER CLOSURE STRIP

ASPHALT CORP. OF AMERICA, DANVILLE, ILL.
FABRICATED PRODUCTS CO., WEST NEWTON, PENNA.
RUBBATEX DIV., GREAT AMERICAN INDUSTRIES, BEDFORD, VA.

GUIDE SPECIFICATIONS

1. "The General Conditions of the Contract for the Construction of Buildings," standard form of the American Institute of Architects, current edition, and any supplementary general conditions are part of this specification.
2. Furnish all labor, materials, and equipment to complete the fabrication and erection of all aluminum ribbed siding and accessories including flashing, closures, fasteners, caulking, sealing, and any other material as shown on drawings to make a complete and weather-tight installation.
3. All ribbed siding sheets, flashing, and closures shall be manufactured by the Reynolds Metals Company, Richmond, Virginia, and shall be fabricated from sheets of aluminum alloy Alclad 3004. The ribbed siding sheets shall be (4" or 8", choose one) pitch x 1" depth x 40" coverage width and shall be supplied in the thickness and lengths as shown on the drawings.
(If material is to be "Colorweld 60" insert finish specification here.)
4. All fasteners which hold the aluminum sheets to the steel frame shall be Type 305 stainless steel. All fasteners at the side laps shall be either Type 305 stainless steel or aluminum. All fasteners shall be applied as recommended by the manufacturer, and shall be designed so as to prevent water leakage through the fastener hole.
5. Where aluminum comes in contact with dissimilar metals, masonry, wood, or other materials not compatible

with aluminum, a coat of a brushable type, non-hardening butyl rubber base sealant shall be used as an isolation material. When conditions require, as recommended by Reynolds Metals Company, all side laps and end laps shall be sealed by the application of one 3/8" round bead of a gun grade, non-skinning, non-hardening, polybutene resin base sealant.

6. Installation of all Reynolds Commercial Ribbed Embossed Siding shall be in strict accordance with standard instructions as published by Reynolds Metals Company or as indicated on the drawings.

ESTIMATING

SIDING: Measure the height of wall to be covered to determine sheet lengths and number of courses, making allowance for proper end laps. Divide length of wall in inches by the nominal coverage of the selected sheet to determine the number of sheets per course. Multiply this by the number of courses to obtain the amount of sheets required.

ACCESSORIES: Estimate quantity of flashings, closures and fasteners required.

FOR ADDITIONAL INFORMATION—Contact your nearest Reynolds Sales Office or Distributor, or write direct for complete specifications, installation instructions, color information and selection. Also see Sweet's Catalog File No. 8b/Rea for COLORWELD 60 information.



REYNOLDS METALS COMPANY
GENERAL OFFICE
RICHMOND 18, VIRGINIA



PLANT OFFICES



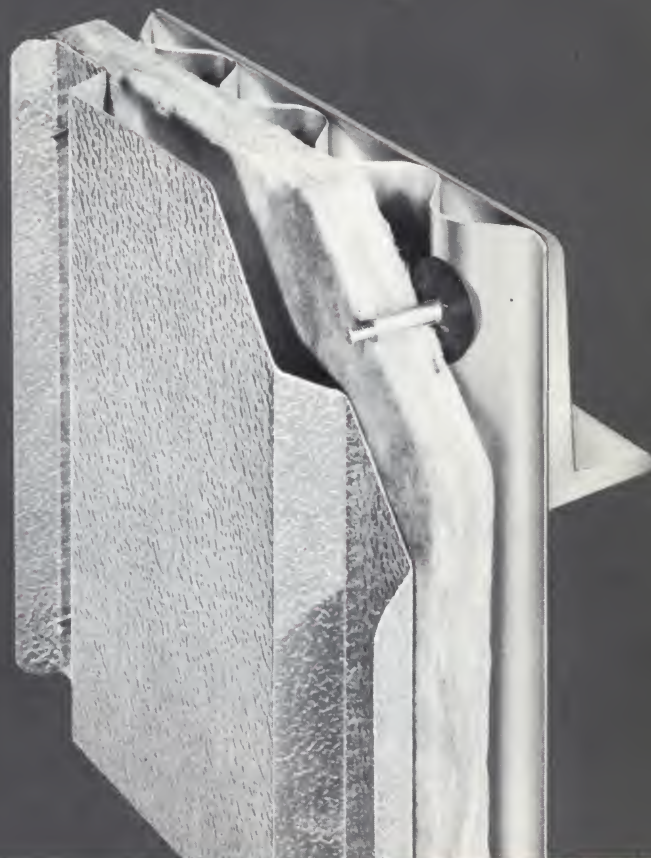
UTILITIES



WAREHOUSES



MANUFACTURING



REYNOLDS *Lifetime*[®] ALUMINUM

COMMERCIAL FIELD-ASSEMBLED INSULATED WALL SYSTEM

20 standard "COLORWELD" 60" colors



REYNOLDS METALS COMPANY

General Office

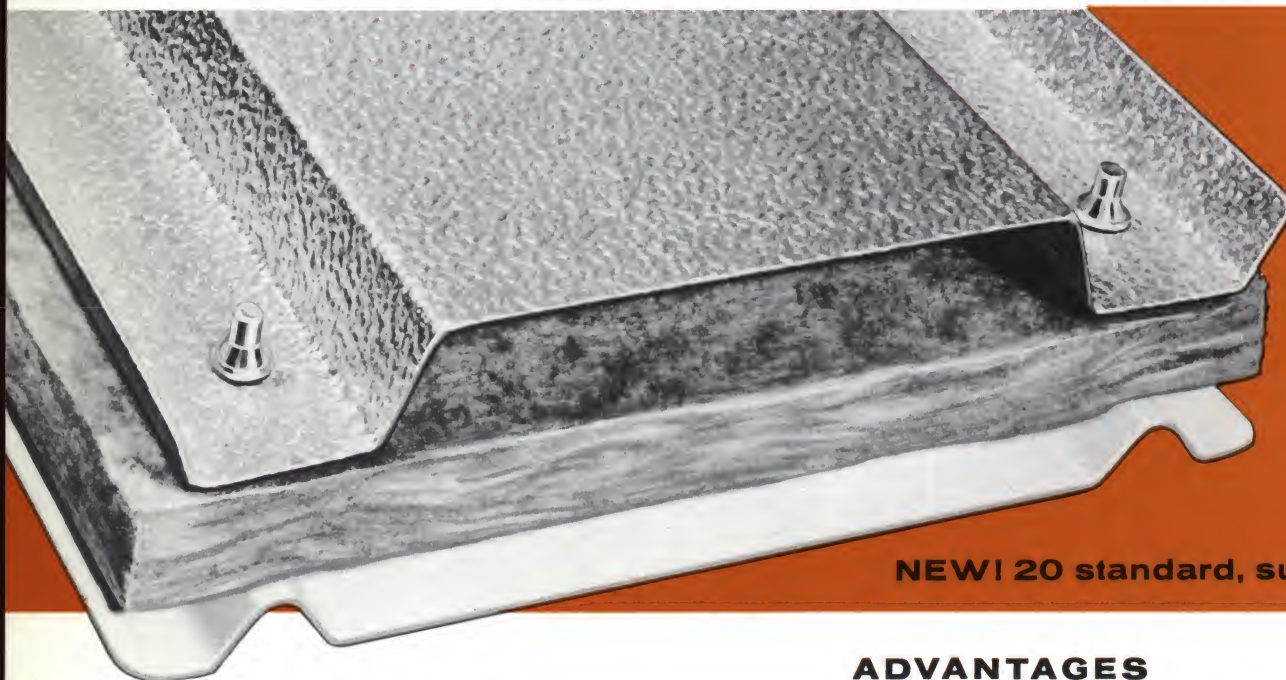
RICHMOND 18, VIRGINIA

(C) Reynolds Metals Company 1960
*Trademark of Reynolds Metals Company

A.I.A. FILE NO. 17-A



COMMERCIAL FIELD-ASSEMBLED INSULATED WALL SYSTEM



COMMERCIAL
RIBBED SIDING

1" THICK GLASS
FIBER BOARD

COMMERCIAL
CRIMP SHEET

NEW! 20 standard, superior colors!

***Low first cost...fast application
...minimum maintenance***

Reynolds Commercial Field-Assembled Insulated Wall System is engineered for simplified installation on erected structural girts. It combines function, economy and fast application in a wall of exceptional architectural beauty.

The system lends itself to an infinite variety of exterior wall treatments, offering both interior and exterior surface variations. Its flexibility is appreciated when viewed as a functional exterior siding, or as a decorative and colorful interior wall. The wide range of interior *permanent* colors are baked on for lasting beauty. Or you can select the soft, satin-like beauty of natural aluminum finish.

When applied with a perforated corrugated interior sheet, the acoustical properties are remarkably high with this system. It absorbs up to 80 percent of the noise that strikes the perforated surface.

Another feature is that the inner core of the system is 1" thick glass fiberboard, which acts as an excellent insulator . . . a barrier against summer heat or winter cold. Because of aluminum's inherent heat-reflective quality, the finished wall has a thermal efficiency superior to most other types of wall materials.

Furthermore, wall extensions, required for expansion or remodeling, present no problems. The versatility of the system permits all types of arrangements.

Add to this the minimum maintenance features of durable, rustfree aluminum and you see why it is the choice of architects and owners alike. They have found in Reynolds Commercial Field-Assembled Insulated Wall System a practical solution to the problem of providing a speedily applied, efficient and economical wall with clean, modern lines for many types of commercial buildings.

ADVANTAGES

20 BEAUTIFUL COLORS—Only Reynolds gives you all the advantages of aluminum . . . plus 20 standard, superior COLORWELD 60 colors to select from . . . at a cost of only pennies more per square foot than unpainted aluminum. See *Sweet's File No. 8b/Rea* for complete color selection.

REFLECTIVE INSULATION—The combination of heat-reflective aluminum sheets and glass fiberboard in a wall with an over-all nominal thickness of $2\frac{7}{8}$ " provides a "U" Factor of .155 for stud method of application and .180 for "Z" Bar method.

IN AIR-CONDITIONED BUILDINGS—Commercial Field-Assembled Insulated Wall System reduces the load on the cooling equipment, thereby cutting operating costs. And by reflecting interior heat in winter, it offers warmer interiors at lower fuel costs.

LONG LENGTHS—Commercial Field-Assembled Insulated Wall System provides the added convenience and beauty of extra long exterior sheets. This means fewer horizontal joints on multi-story construction.

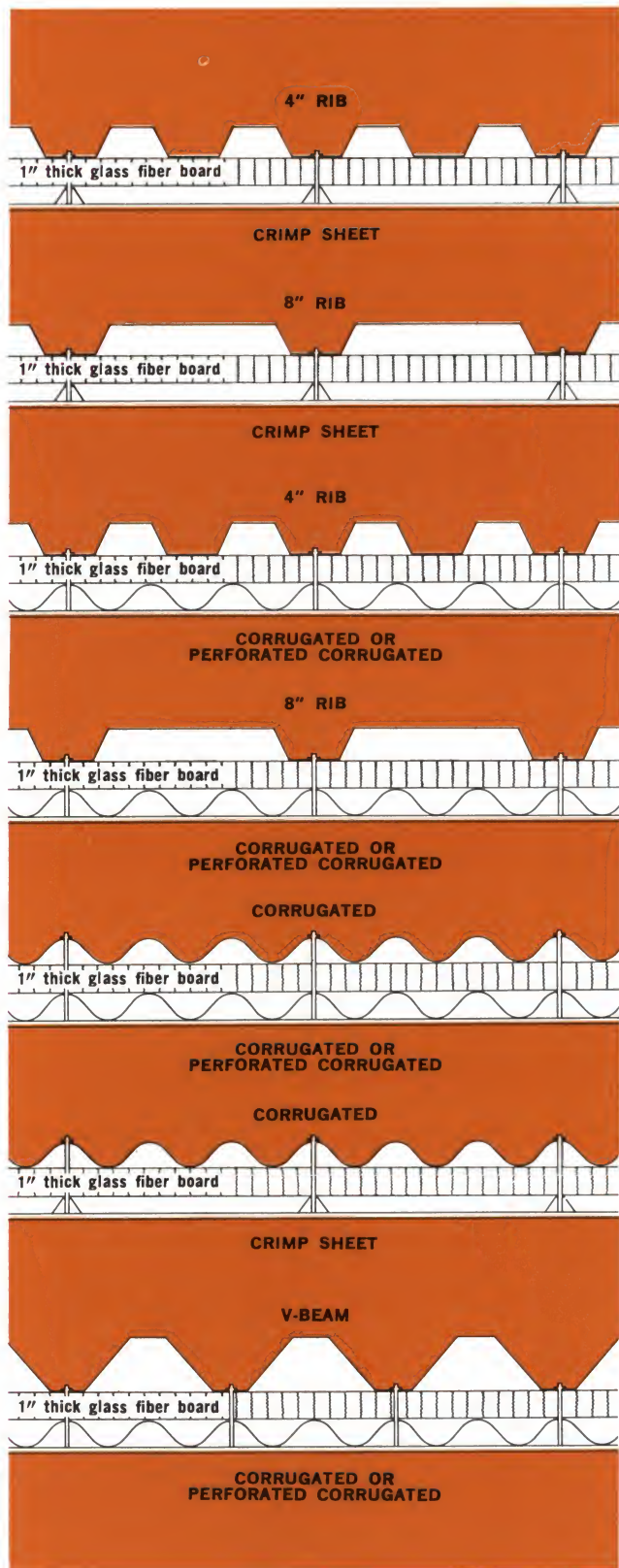
LOW INSTALLED COST—Fewer component parts, ease of handling sheets, efficient fastening methods, larger sheet coverage—all add up to give you a complete installation in a minimum of time at a low cost.

MAINTENANCE SAVINGS—With Commercial Field-Assembled Insulated Wall System there are no shear cracks, and no rust streaks to mar exterior beauty. Maintenance costs are reduced. The material effectively resists industrial and seacoast atmospheres.

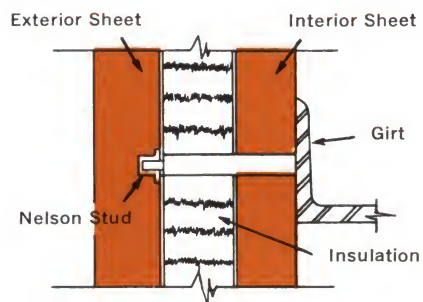
COMPLETE FLEXIBILITY OF DESIGN—Commercial Field-Assembled Insulated Wall System is an ideal curtain wall for construction of buildings where future enlargement or remodeling must be considered. Insulated and uninsulated sections can be constructed on the same wall to help architects plan integrated exteriors of beauty on buildings with varied interior requirements.

LIGHTWEIGHT STRENGTH—Ease of handling assures added savings in construction costs. A complete installation weighs as little as 1.57 pounds per square foot.

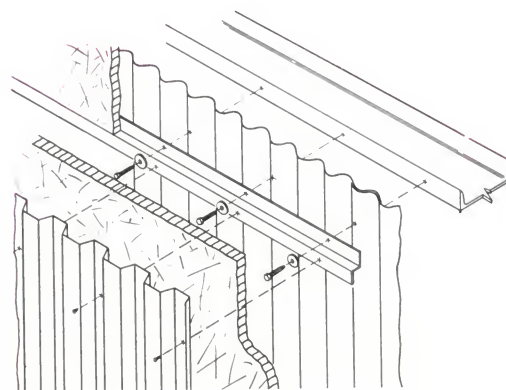
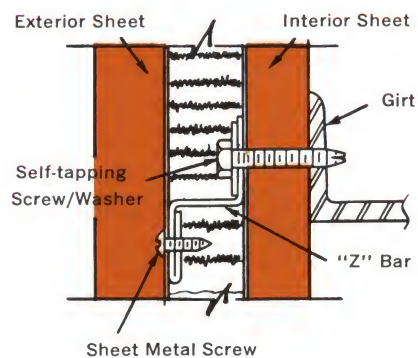
TYPICAL SECTIONS



TYPICAL SECTION
STUD METHOD
OF APPLICATION



TYPICAL SECTION
"Z" BAR METHOD
OF APPLICATION



REYNOLDS *Lifetime*[®] ALUMINUM

COLORWELD[®] 60

COMMERCIAL BUILDING PRODUCTS



NEW INTERIOR PANELS

.024", .032", .040"

COMMERCIAL CRIMP SHEET

THICKNESS: .024", .032" and .040" gauge.

FINISH: Mill Finish in natural aluminum, or "Colorweld 60" one side, white prime other side.

LENGTHS: 5'-0" to 12'-0" in 6" increments.

WIDTH: Over-all width 33", 32" coverage.

CRIMP: "V" crimps 1/2" deep, 8" pitch.

WEIGHT: .024" — 36.2 pounds per 100 square feet of formed sheet.

.032" — 48.3 pounds per 100 square feet of formed sheet.

.040" — 60.4 pounds per 100 square feet of formed sheet.

.024"

COMMERCIAL PERFORATED CORRUGATED SHEET

THICKNESS: .024" gauge.

FINISH: Stucco Embossed and Leathergrain Embossed in natural aluminum, "Colorweld 60" or "Reynocolor.*"

LENGTHS: 5'-0" to 30'-0".

WIDTH: Over-all width 33 3/4", 32" coverage.

CORRUGATION: 2 1/2" pitch, 7/8" depth corrugations, perforated 1/8" diameter holes 5/16" on staggered centers.

WEIGHT: Approximately 36.5 pounds per 100 square feet of formed sheet.

*Trademark of Reynolds Metals Company

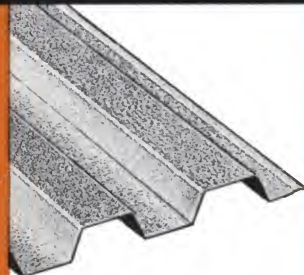
EXTERIOR PANELS



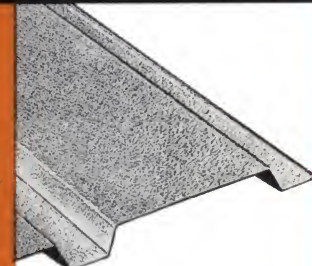
COMMERCIAL CORRUGATED
MILL FINISH,
STUCCO EMBOSSED AND
LEATHERGRAIN EMBOSSED



COMMERCIAL V-BEAM
MILL FINISH,
STUCCO EMBOSSED AND
LEATHERGRAIN EMBOSSED



4" COMMERCIAL RIBBED
STUCCO EMBOSSED AND
LEATHERGRAIN EMBOSSED



8" COMMERCIAL RIBBED
STUCCO EMBOSSED AND
LEATHERGRAIN EMBOSSED

Above Exterior Panels are available in either natural aluminum, 20 standard COLORWELD 60 colors, or custom "Reynocolor." See Reynolds COMMERCIAL RIBBED, COMMERCIAL CORRUGATED, COMMERCIAL V-BEAM and COLORWELD 60 brochures in Sweet's, Sec. 8b, for additional information.

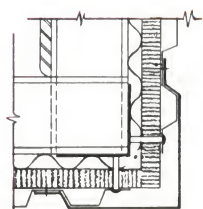
LOAD SPAN TABLES

CALCULATED LOAD-SPAN TABLE IN INCHES

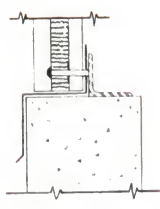
Uniform Load lb./sq. ft.	15	20	25	30	35	40	45	50
Equivalent Wind Velocity M. P. H.	61	70	79	87	94	100	106	112
Support Spacing for .032" 4" Rib Ext. Sheet .032" Comm. Corr. Int. Sheet	132	120	111	105	100	95	91	88
Support Spacing for .032" 4" Rib Ext. Sheet .024" Comm. Crimp Int. Sheet	118	107	98	90	83	78	73	69
Support Spacing for .032" 4" Rib Ext. Sheet .032" Comm. Crimp Int. Sheet	118	108	99	90	84	78	74	70
Support Spacing for .032" 4" Rib Ext. Sheet .024" Perforated Comm. Corr. Int. Sheet	122	112	103	97	92	86	82	77
Support Spacing for .032" 4" Rib Ext. Sheet .024" Comm. Corr. Int. Sheet	128	117	108	102	97	93	89	84
Support Spacing for .032" 8" Rib Ext. Sheet .032" Comm. Corr. Int. Sheet	115	105	97	91	87	83	79	75
Support Spacing for .032" 8" Rib Ext. Sheet .024" Comm. Corr. Int. Sheet	111	100	93	88	83	78	73	70
Support Spacing for .032" 8" Rib Ext. Sheet .032" Comm. Crimp Int. Sheet	93	80	72	66	61	57	54	51
Support Spacing for .032" 8" Rib Ext. Sheet .040" Comm. Crimp Int. Sheet	93	81	72	66	61	57	54	51
Support Spacing for .032" 8" Rib Ext. Sheet .024" Perforated Comm. Corr. Int. Sheet	102	93	85	77	72	67	63	60
Support Spacing for .032" 8" Rib Ext. Sheet .024" Comm. Crimp Int. Sheet	91	79	71	65	60	56	53	50
Support Spacing for .040" 8" Rib Ext. Sheet .024" Comm. Corr. Int. Sheet	117	107	99	93	88	83	78	74
Support Spacing for .040" 8" Rib Ext. Sheet .024" Comm. Crimp Int. Sheet	102	88	79	72	67	62	59	56
Support Spacing for .040" 8" Rib Ext. Sheet .024" Perforated Comm. Corr. Int. Sheet	110	100	92	84	77	72	68	65
Support Spacing for .032" Comm. Corr. Ext. Sheet .032" Comm. Corr. Int. Sheet	84	84	84	84	84	83	80	77
Support Spacing for .032" Comm. Corr. Ext. Sheet .024" Comm. Corr. Int. Sheet	84	84	84	84	83	80	76	74
Support Spacing for .032" Comm. Corr. Ext. Sheet .024" Comm. Crimp Int. Sheet	84	84	80	75	71	67	63	60
Support Spacing for .032" Comm. Corr. Ext. Sheet .024" Perforated Comm. Corr. Int. Sheet	84	84	84	81	77	73	71	68

These tables list recommended maximum support spacings for various uniform loading conditions on continuous spans (where the individual sheet spans two or more spaces, and is supported by three or more purlins or girts). The loads listed for each spacing are not an indication of the maximum strength of the material, but were selected to provide sound, practicable application. In selecting a load from these tables, it is suggested that local building codes be consulted.

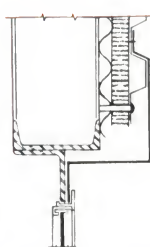
TYPICAL FLASHING DETAILS



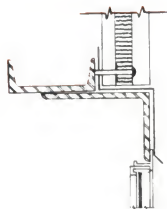
Corner Flashing



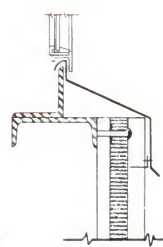
Base Sill Flashing



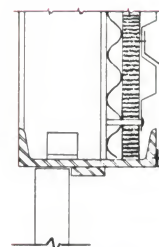
Window Jamb Flashing



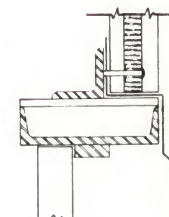
Window Head Flashing



Window Sill Flashing



Door Jamb Flashing



Door Head Flashing



COMMERCIAL FIELD-ASSEMBLED INSULATED WALL SYSTEM

INSTALLATION INSTRUCTIONS

LOADING AND SUPPORT SPACING: For recommended loadings and support spacing, see tables and consult your local building codes.

STUD WELDING: Weld the $\frac{5}{16}$ " diameter x $2\frac{1}{8}$ " body length Nelson Setlock stud fasteners, type 304, stainless steel directly to the structural girts. Beginning at one end of the wall girts, position the studs by a template at 8" centers along the girt.

FLASHINGS: Install base flashings, sash head and door head flashing before starting the interior sheet application.

INTERIOR SHEET: Start application at either end of wall and proceed in horizontal courses or horizontal courses by bay or scaffold width beginning with the lower course. Make side laps $1\frac{1}{2}$ corrugations and end laps 4" minimum. Locate end laps only over the structural girts. Impale the interior sheet over the welded studs at every third crown of the corrugation by use of a rubber mallet and $\frac{3}{8}$ " I. D. pipe or Nelson Impaling Tool. Place the Nelson speed clip over the projecting stud and press firmly against the interior sheet to cause valleys of corrugations to touch structural girts. Fasten side laps 15" on center with No. 10 slotted head, aluminum or stainless steel sheet metal screws.

INSULATION: Impale insulation, in lengths equal to the girt spacing, over the Nelson Setlock studs so the ends of the insulation butt midway between the structural girts. Use Nelson speed clips in sufficient quantity to hold insulation in place.

EXTERIOR SHEET: Start application at either end of wall. Proceed in horizontal courses or horizontal courses by bay or scaffold width beginning with lower course. Apply each sheet so that the face having the narrower ribs and the blue ink identification is toward the girts. Lay each sheet so that the flat edge flange having the longitudinal bead nests into the first valley for the adjacent sheet. Impale the exterior sheet over the rivet extension and seat on the stud shoulder so that the Nelson Setlock studs pierce the sheets at every other valley for the 4" ribbed embossed and at every valley for the 8" ribbed embossed sheets. Make 4" minimum end laps locating them only over the girts.

Place a SETLOCK cap over the Nelson stud extension and secure it against the exterior sheet with the SETLOCK tool after each sheet is impaled. Fasten side laps together on approximately 18" centers using No. 10 aluminum or stainless steel slotted head sheet metal screws.

FLASHING: Apply interior and exterior corner flashing, sash sill and jambs, door jambs and eave flashing as shown on the shop and erection drawings, after the exterior sheet has been installed.

GENERAL: Cut aluminum siding sheet by using a power saw with a metal cutting blade.

Insulate dissimilar metals and masonry surfaces from aluminum siding sheets and flashing with aluminum pigmented asphalt coating or equivalent.

Keep aluminum sheets dry prior to installing. Avoid condensation. Store on end or on edge off the ground and in a dry location.

Do not allow sheets to come in contact with fertilizers, caustic soda, nitrate, lime, salt, acids or alkalis.

Do not make mixed installation of aluminum and copper products.

Use only aluminum or stainless steel accessories and fittings except as specified herein with aluminum insulated walls.

Maintain correct alignment of siding sheets for good fit and appearance.

GUIDE SPECIFICATIONS

WORK INCLUDED: Furnish all necessary labor and material to completely install field assembled insulated metal wall panels as supplied by Reynolds Metals Company wherever specified herein or indicated on the architectural drawings. Furnish and install all flashings, closures, and fasteners in accordance with the materials and methods approved by the Reynolds Metals Company.

WORK NOT INCLUDED BUT ESSENTIAL TO INSTALLATION: Furnish and erect all structural steel and miscellaneous iron framing. Furnish and apply aluminum pigmented asphalt paint or approved equal to the steel framing and masonry surfaces wherever necessary to insulate them from contact with the aluminum panels and/or flashings.

DESCRIPTION: The insulated metal walls shall consist of an aluminum exterior sheet and an aluminum interior sheet, with glass fiber insulation between. The material shall be assembled on the erected structural girts in the field.

MATERIAL:

- Interior sheets shall conform to the specifications of Reynolds Metals Company and shall be fabricated from aluminum alloy of uniform quality and free from harmful defects. (Select applicable sheet from brochures giving pitch, depth, over-all width, nominal coverage, side laps, gauge of material, and finish.)
- Exterior sheets shall conform to the specifications of Reynolds Metals Company and shall be fabricated from aluminum alloy of uniform quality and free from harmful defects. (Select applicable sheet from brochures giving pitch, depth, over-all width, nominal coverage, side laps, gauge of material, and finish.)

INSULATION: The insulation shall be Owens-Corning's PF615, 1" thickness of 6 # density or approved equal.

APPROVED FASTENERS:

- $\frac{5}{16}$ " diameter Nelson SETLOCK stud fasteners, type 304, stainless steel, with $\frac{1}{2}$ " O.D. aluminum rivet cap and stainless steel speed clips. Length shall be: $2\frac{1}{8}$ " body length for walls with ribbed exterior sheet; $2\frac{3}{8}$ " body length for walls with corrugated exterior sheet.
- #14 x $\frac{3}{4}$ " type 410 stainless steel cadmium plated, type "B," hexagonal head self-tapping screw.
- Aluminum or cadmium plated type 410 stainless steel #10 x $\frac{5}{8}$ " type "A," sheet metal screw with slotted head.
- 1 $\frac{1}{2}$ " diameter carbon steel Nelson speed clip with Tinnerman finish #373.

GENERAL: Handling, storage and application of the aluminum, interior sheets, exterior sheets, flashings and accessories shall conform to the instructions supplied by the Reynolds Metals Company.

FOR ADDITIONAL INFORMATION—Contact your nearest Reynolds Sales Office or Distributor, or write direct for complete specifications, installation instructions, color selection. Also see related catalogs in Sweet's File, Sec. 8b.



REYNOLDS METALS COMPANY
GENERAL OFFICE
RICHMOND 18, VIRGINIA



COMMERCIAL FIELD-ASSEMBLED INSULATED WALL SYSTEM

INSTALLATION INSTRUCTIONS

LOADING AND SUPPORT SPACING: For recommended loadings and support spacing, see tables and consult your local building codes.

STUD WELDING: Weld Nelson Setlock studs directly to the structural wall girts, positioned along the girt.

FLASHINGS: Install flashing before studs.

INTERIOR SHEET: Proceed in horizontal or scaffold width side laps $1\frac{1}{2}$ corrugations. End laps only over sheet over the wall corrugation by using Nelson Impaling projecting studs to cause valleys. Fasten side laps with aluminum or steel.

INSULATION: Impart spacing, over the insulation butt with Nelson speed clip in place.

EXTERIOR SHEET: Proceed in horizontal scaffold width by sheet so that the flange identification is the flat edge flange the first valley for sheet over the rivet so that the Nelson other valley for the 8" ribbed laps locating then.

Place a SETLOCK secure it against after each sheet approximately 18" less steel slotted l.

FLASHING: Apply to sill and jambs, do the shop and ere has been installed.

GENERAL: Cut aluminum with a metal cutt

Insulate dissimilar aluminum siding mented asphalt co

Keep aluminum densation. Store on end or on edge off the ground and in a dry location.

Do not allow sheets to come in contact with fertilizers, caustic soda, nitrate, lime, salt, acids or alkalis.

Do not make mixed installation of aluminum and copper products.

ories and fit-
im insulated

for good fit

d material to
metal wall
ny wherever
al drawings.
fasteners in
roved by the

ION: Furnish
s iron fram-
sphalt paint
asonry sur-
rom contact

onsist of an
terior sheet,
rial shall be
field.

ifications of
icated from
from harm-
1 brochures
al coverage,

ifications of
icated from
from harm-
1 brochures
al coverage,

ng's PF615,

s, type 304,
vet cap and
: $2\frac{1}{8}$ " body
; $2\frac{3}{8}$ " body
eet.

plated, type

inless steel
lotted head.

p with Tin-

the alumi-
num, interior sheets, exterior sheets, flashings and acces-
sories shall conform to the instructions supplied by the
Reynolds Metals Company.

FOR ADDITIONAL INFORMATION—Contact your nearest Reynolds Sales Office or Distributor, or write direct for complete specifications, installation instructions, color selection. Also see related catalogs in Sweet's File, Sec. 8b.

Digitized by



ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL

www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:

Mike Jackson, FAIA



REYNOLDS METALS COMPANY
GENERAL OFFICE
RICHMOND 18, VIRGINIA